

=> b reg  
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STRUCTURE FILE UPDATES: 26 SEP 2008 HIGHEST RN 1053621-88-7  
 DICTIONARY FILE UPDATES: 26 SEP 2008 HIGHEST RN 1053621-88-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

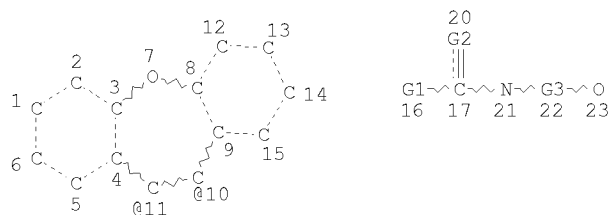
TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

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<http://www.cas.org/support/stngen/stndoc/properties.html>

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 VAR G3=AK/ID  
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 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:  
 RING(S) ARE ISOLATED OR EMBEDDED  
 NUMBER OF NODES IS 21

STEREO ATTRIBUTES: NONE  
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100.0% PROCESSED 145669 ITERATIONS 127 ANSWERS  
 SEARCH TIME: 00.00.03

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FILE COVERS 1907 - 29 Sep 2008 VOL 149 ISS 14  
FILE LAST UPDATED: 28 Sep 2008 (20080928/ED)

HCAplus now includes complete International Patent Classification (IPC)  
reclassification data for the second quarter of 2008.

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate  
substance identification.

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L13 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2008 ACS ON SIN  
 AN 2005:141008 HCAPLUS  
 DN 142:240329  
 TI A preparation of dibenz[b,f]oxepincarboxamide derivs. useful for the  
 treatment of neurological and vascular disorders related to  $\beta$ -amyloid  
 generation and aggregation  
 IN Auberson, Yves; Betschart, Claudia; Flohr, Stefanie; Glatthar, Ralf;  
 Simic, Oliver; Tintelnot-Blomley, Marina; Troxler, Thomas J.;  
 Vangrevelinghe, Eric; Veenstra, Rien Jacob  
 PA Novartis A.-G., Switz.; Novartis Pharma G.m.b.H.  
 SO PCT Int. Appl., 47 pp.  
 COBEN: PIXXD2  
 DT Patent  
 LA English  
 FAN,CMI 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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WO--2005014517	A3	20050428		
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PM: BW, CH, CN, DE, ES, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
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EP-----1651592	A2	20060503	2004EP-000763454	20040723
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
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US--20070111991	A1	20070517	2006US-000565456	20060710
PRAI 2003GB-000017491	A	20030725		
2004WO-EP0008283	W	20040723		
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\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

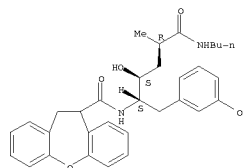
AB The invention relates to a preparation of dibenz[b,f]oxepincarboxamide derivs. of formula I (wherein: X is O, NH, C(O), or N(alkyl)), etc.; Y is CH or N; A and B are each H or together form a second bond between the carbon atoms to which they are attached; R1 is H or alkyl; R2 is (cyclo)alkyl, (hetero)aryl, or cycloalkylalkyl; R3 is CH(alkyl)C(O)-1-piperidinyl, (CH2)0-2-4-morpholinyl, or CH(alkyl)C(O)-N(aryl), etc.; R4, R5, R6, R7, R8, and R9 are independently selected from H, alkyl, alkoxy, CN, or halogen, etc.), useful for the treatment of neuron. and vascular disorders related to  $\beta$ -amyloid generation and aggregation (no biol. data). For instance, dibenz[b,f]oxepincarboxylic acid amide derivative II was prepared via Pd-catalyzed hydrogenation of III. The invention compds. are inhibitors of human BACE, BACE-2, and Cathepsin B, etc.

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L13 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2008 ACS ON SIN (Continued)

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 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (prepn. of dibenz[b,f]oxepincarboxamide derivs. useful for the treatment of neuron. and vascular disorders related to  $\beta$ -amyloid generation and aggregation)  
 IT 845671-33-2  
 RL: RCT (Reactant); RACT (Reactant or reagent)  
 (preparation of dibenz[b,f]oxepincarboxamide derivs. useful for the treatment of neuron. and vascular disorders related to  $\beta$ -amyloid generation and aggregation)  
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 (preparation of dibenz[b,f]oxepincarboxamide derivs. useful for the treatment of neuron. and vascular disorders related to  $\beta$ -amyloid generation and aggregation)  
 IT 845671-12-7P  
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation of dibenz[b,f]oxepincarboxamide derivs. useful for the treatment of neuron. and vascular disorders related to  $\beta$ -amyloid generation and aggregation)  
 RN 845671-12-7 HCAPLUS  
 CN Dibenz[b,f]oxepin-10-carboxamide, N-[(1R,2R,4S)-5-(butylamino)-2-hydroxy-1-[(3-hydroxyphenyl)methyl]-4-methyl-5-oxopentyl]-10,11-dihydro-, rel- (CA INDEX NAME)

Relative stereochemistry.



L13 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2008 ACS ON SIN (Continued)

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FILE 'USPATOLD' ENTERED AT 10:29:19 ON 29 SEP 2008
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CA INDEXING COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

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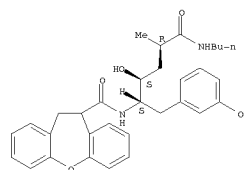
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 AN 2007128635 USPATFULL  
 TI Novel dibenzo [b, f] oxepine-10-carboxamides and pharmaceutical uses thereof  
 IN Auberson, Yves, Maingasse 4, Allschwil, SWITZERLAND 4123  
 Betschart, Claudia, Basel, SWITZERLAND  
 Flohr, Stefanie, Basel, SWITZERLAND  
 Glatthar, Ralf, Bad Sackingen, GERMANY, FEDERAL REPUBLIC OF  
 Sinic, Oliver, Basel, SWITZERLAND  
 Tintelnot-Bionley, Marina, Maulburg, GERMANY, FEDERAL REPUBLIC OF  
 Troxler, Thomas J., Wahlen, SWITZERLAND  
 Vangrovelinghe, Eric, Huningue, FRANCE  
 Veenstra, Siem Jacob, Lorrach, GERMANY, FEDERAL REPUBLIC OF  
 PI US-20070111991 A1 20070517  
 AI 2004US-000565456 A1 20040723 (10)  
 2004WO-EP0008283 20040723  
 20060710 PCT 371 date  
 PRAI 2003GB-000017491 20030725  
 DT Utility  
 FS APPLICATION  
 LREP NOVARTIS, CORPORATE INTELLECTUAL PROPERTY, ONE HEALTH PLAZA 104/3, EAST  
 HANOVER, NJ, 07936-1080, US  
 CLMN Number of claims: 10  
 ECL Exemplary Claim: 1  
 DRWN No Drawings  
 LN CNT 1462  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention pertains to novel dibenzo[b,f]oxepine-10-carboxamides compound to a process for the preparation of such compounds of formula I, their use as pharmaceuticals, especially in the treatment of neurological and vascular disorders related to beta-amyloid generation and/or aggregation, and to pharmaceutical compositions and combinations comprising such compounds of formula I.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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 (preparation of dibenz[b,f]oxepincarboxamide derivs. useful for the treatment of neurol. and vascular disorders related to  $\beta$ -amyloid generation and aggregation)  
 IT 845671-33-2  
 (preparation of dibenz[b,f]oxepincarboxamide derivs. useful for the

L17 ANSWER 1 OF 1 USPATFULL on SIN (Continued)  
 treatment of neurol. and vascular disorders related to  $\beta$ -amyloid generation and aggregation)  
 IT 845671-13-8P  
 (preparation of dibenz[b,f]oxepincarboxamide derivs. useful for the treatment of neurol. and vascular disorders related to  $\beta$ -amyloid generation and aggregation)  
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 (preparation of dibenz[b,f]oxepincarboxamide derivs. useful for the treatment of neurol. and vascular disorders related to  $\beta$ -amyloid generation and aggregation)  
 PN 845671-32-7 USPATFULL  
 CN Dibenz[b,f]oxepin-10-carboxamide, N-[(1R,2R,4S)-5-(butylamino)-2-hydroxy-1-[(3-hydroxyphenyl)methyl]-4-methyl-5-oxopentyl]-10,11-dihydro-, rel- (CA INDEX NAME)  
 Relative stereochemistry.



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FILE LAST UPDATED 27 SEPTEMBER 2008 (20080927/UP)

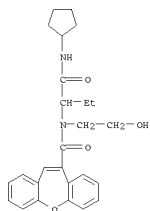
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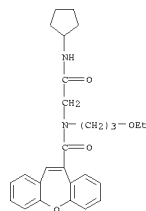
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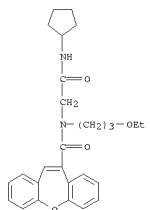
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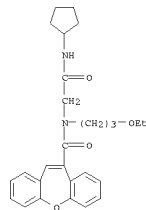
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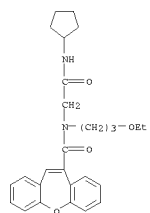
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L1 1 US20070111991 /PN

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L2 TRA L1 1- RN : 136 TERMS

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L4 98 L3 AND C6-C6-OC6/ES

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L6 10 L5

L7 STR L5

L8 STR L7

L9 3 L8

L10 127 L8 FULL

SAV TEM L10 J456C1/A

L11 93 L10 AND L3

L12 34 L10 NOT L11

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